

NOvA Operations Status

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Detector Operations

01/18 — 01/24

FarDet: downtime due to novadaq-far-master disk failure

Prelude: Frequent (~once every 2-3 hours) DAQ crashes starting Jan 17 21:21. Persists through the night; restarting run requires between 1-5 attempts after each crash. Morning of Jan 18, bad enough that we cannot start a run.

Interlude: As we began executing our plan to swap the disk, the severity of the disk's problems calmed down enough to start a run that went through most of Jan 19. (Total downtime between final crash on Jan 18 and this run, 24 hours, 51 minutes.)

Swap: Morning - Afternoon of Jan 20, swapped out the master machine and its interfaces (6 hours, 19 minutes). Since then, have been running without problems.

Future: We are turning an unused data disk into a 'hot swap' spare for novadaq-far-master, to hedge against any similar problem occurring in the future.

Detector Operations

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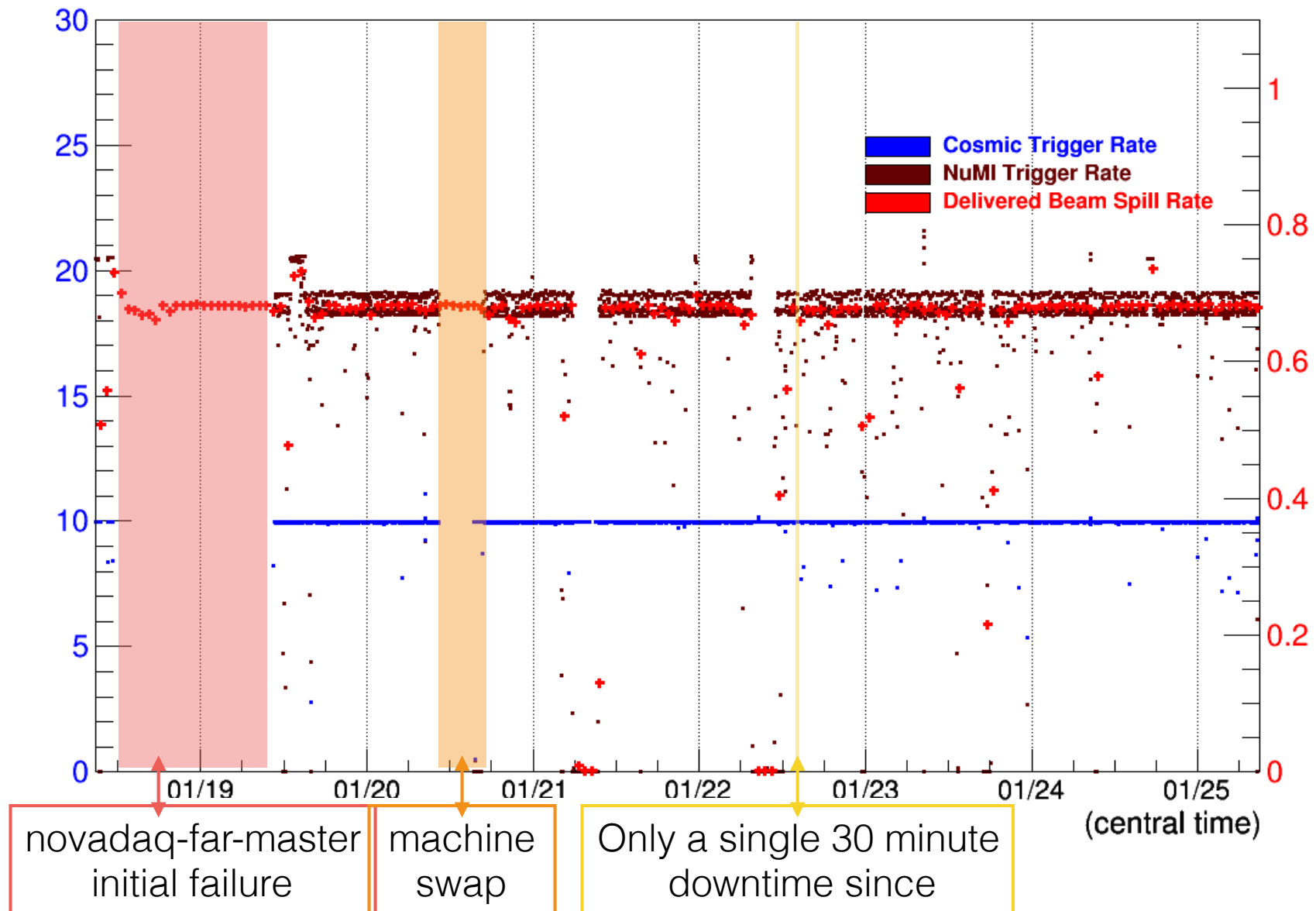
NearDet: no problems

*Slight NuMI data-taking downtime during disk swap on Jan 20, when we had to do some work reorienting the spill server. Overall **> 99 % uptime.***

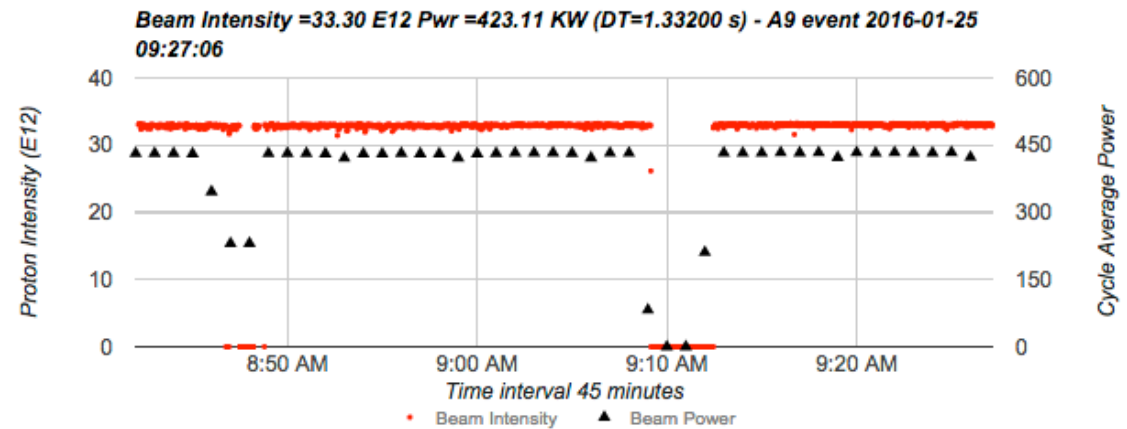
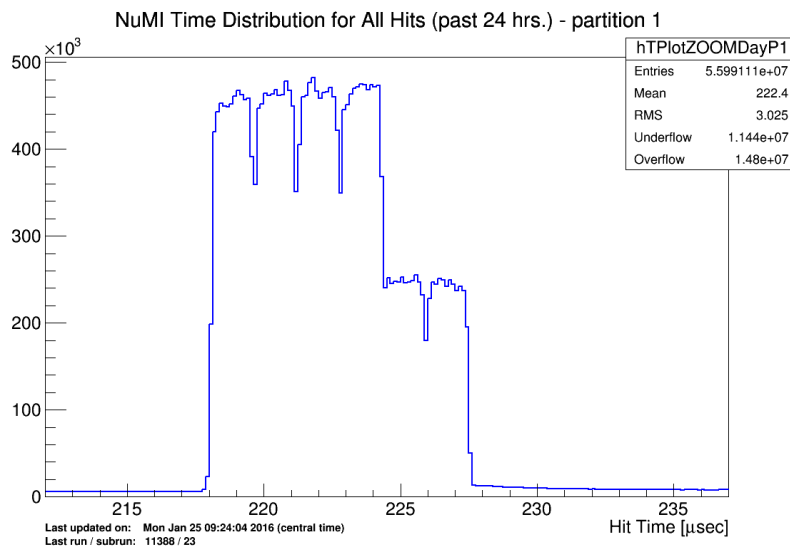
Many thanks to SCD for help with novadaq-far-master!

Apart from novadaq-far-master related downtime, FarDet had a great week

Average Trigger and Spill Rates (Hz) - partition 1



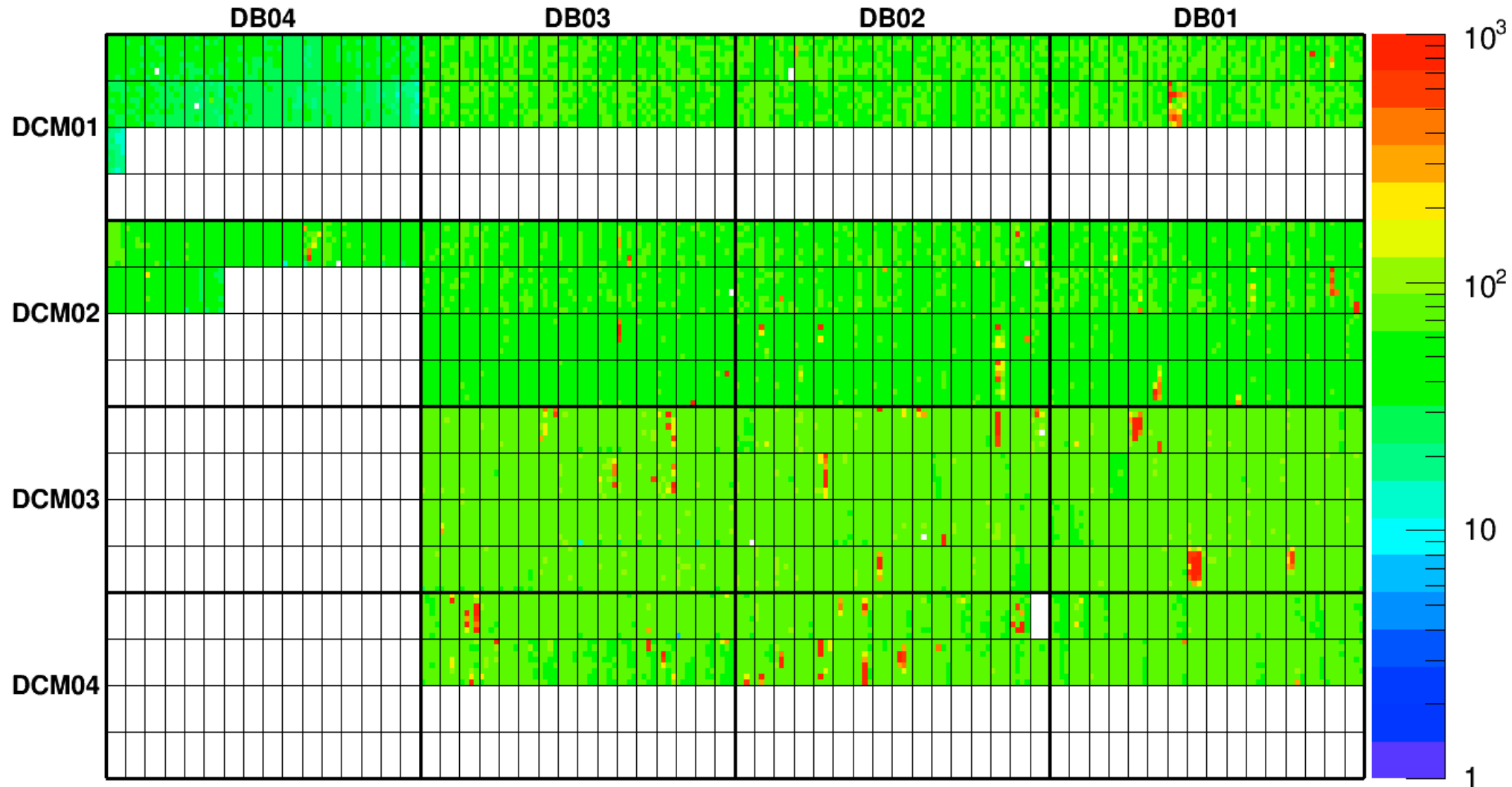
4+6 slip stacking, 420-450 kW!



Plots taken from this morning; many thanks to AD!

NearDet FEB Hit Rates (by pixel)

Hit rate recorded by Pixel in Hz

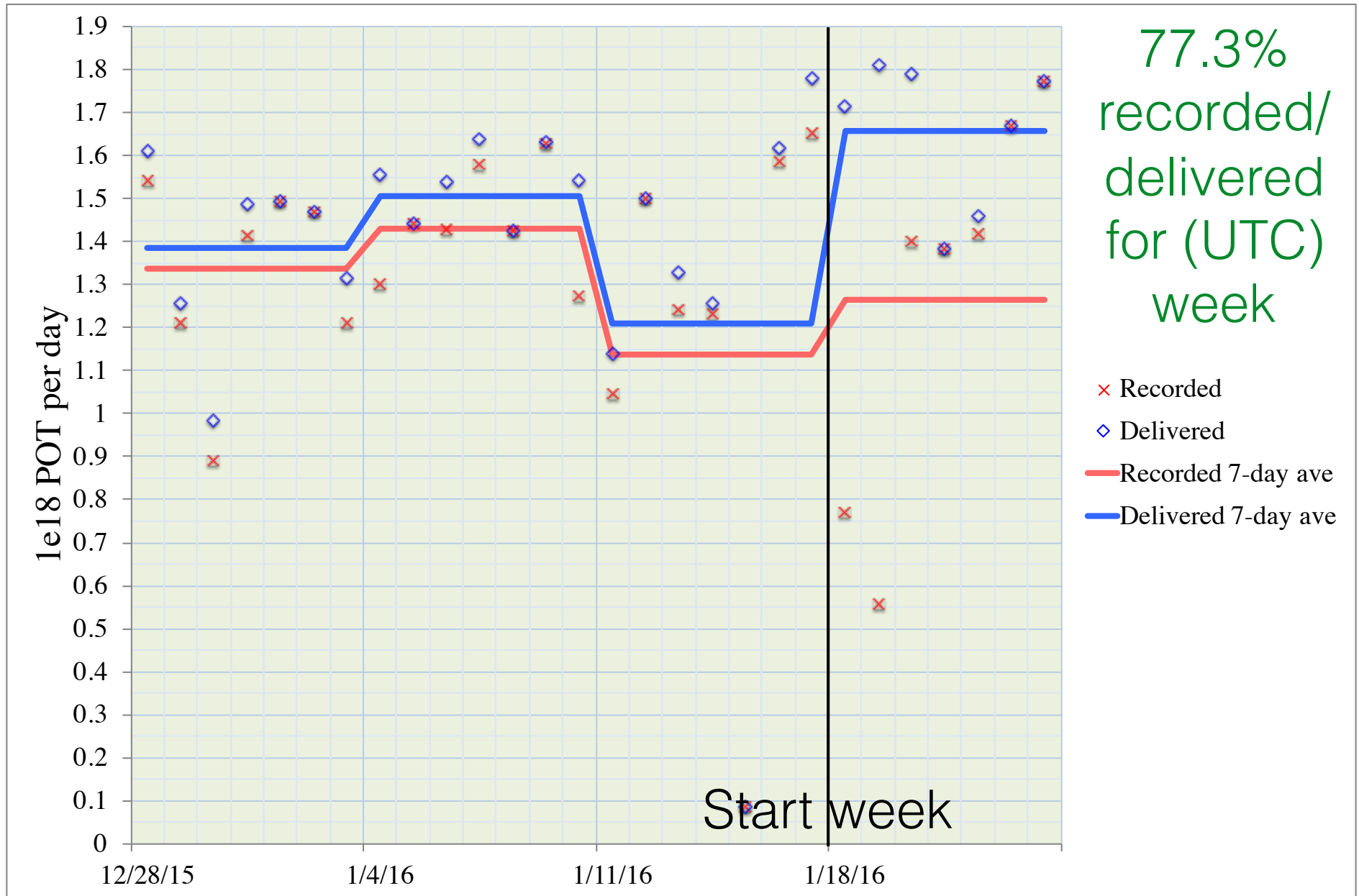


FarDet: FEB Hit Rates (by pixel)

Hit rate recorded by Pixel in Hz



FD: Accumulated POTs



FD: Protons Recorded / Delivered

